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› BUFFALO /

› BUFFALO BS-GU2105 5-Port Gigabit Unmanaged Switch User Manual

BUFFALO BS-GU2105

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INTRODUCTION

Welcome to the user manual for the BUFFALO BS-GU2105 5-Port Gigabit Unmanaged Switch. This document provides essential information for the proper installation, operation, and maintenance of your device. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

PRODUCT OVERVIEW

The BUFFALO BS-GU2105 is a Layer2 unmanaged switch designed for business environments, offering reliable high-speed network connectivity. It features five Gigabit-compatible ports and a robust metal housing with an integrated power supply.

Key Features:

- 5 Gigabit Ethernet Ports (10/100/1000 BaseT(X))
- Metal Housing with Built-in Power Supply
- Loop Prevention Function (ON/OFF switchable)
- EEE (Energy Efficient Ethernet, 802.3az) Function (ON/OFF switchable)
- Operating Temperature Range: 0°C to 50°C (32°F to 122°F)
- Equipped with Anti-Theft Security Slots
- Flexible Installation: Horizontal or Wall-Mountable

PACKAGE CONTENTS

Please verify that all items are present in your package. If any items are missing or damaged, contact your vendor or BUFFALO support.

- BUFFALO BS-GU2105 5-Port Gigabit Unmanaged Switch
- Magnet for mounting
- AC Cable Prevention Band
- Power Cord (integrated power supply)

SETUP AND INSTALLATION

1. Physical Placement

The BS-GU2105 switch can be placed horizontally on a flat surface or mounted on a wall. Ensure adequate ventilation around the device to prevent overheating. Avoid placing the switch near heat sources or in direct sunlight.



Image: Front view of the BUFFALO BS-GU2105 switch, displaying its indicators and switches.

For enhanced security, the switch is equipped with anti-theft security slots. A compatible security cable (not included) can be used to secure the device to a fixed object, preventing unauthorized removal.



Image: Side view of the BUFFALO BS-GU2105 switch, highlighting the security slot.



Image: BUFFALO BS-GU2105 switch with an optional security cable lock installed.

2. Connecting Network Cables

Connect your network devices (computers, servers, network printers, or other switches) to the RJ-45 ports (1-5) on the rear of the switch using standard Ethernet cables. The switch automatically detects the speed and duplex mode of the connected devices.



Image: Rear view of the BUFFALO BS-GU2105 switch, showing the five RJ-45 ports and AC power input.

3. Power Connection

Connect the power cord to the AC-IN port on the rear of the switch and then to a standard power outlet. The switch has a built-in power supply. Use the included AC cable prevention band to secure the power cord, preventing accidental disconnection.



Image: Power cord connected to the BUFFALO BS-GU2105 switch, secured with the AC cable prevention band.

OPERATING THE SWITCH

LED Indicators

The front panel of the switch features several LED indicators to provide status information:

- **POWER LED:** Illuminates when the switch is powered on.
- **LINK/ACT LEDs (1-5):** For each port, this LED indicates network activity and connection status.
 - *Solid Green:* A device is connected and operating at 1000 Mbps (Gigabit).
 - *Flashing Green:* Data is being transmitted or received at 1000 Mbps.
 - *Solid Amber:* A device is connected and operating at 10/100 Mbps.
 - *Flashing Amber:* Data is being transmitted or received at 10/100 Mbps.
 - *Off:* No device is connected or the connected device is powered off.

Loop Prevention Function

The BS-GU2105 includes a loop prevention function to avoid network loops that can cause broadcast storms and network instability. This function can be enabled or disabled using the "LOOP PREVENTION" ON/OFF switch on the front panel.

- **ON:** Loop prevention is active. If a network loop is detected, the affected port will be temporarily disabled to prevent network disruption.
- **OFF:** Loop prevention is inactive.

EEE (Energy Efficient Ethernet) Function

The Energy Efficient Ethernet (EEE) function (IEEE 802.3az) allows the switch to reduce power consumption during periods of low data activity. This function can be enabled or disabled using the "EEE" ON/OFF switch on the front panel.

- **ON:** EEE is active, reducing power consumption when network traffic is low.
- **OFF:** EEE is inactive.

MAINTENANCE

To ensure optimal performance and longevity of your BUFFALO BS-GU2105 switch, follow these maintenance guidelines:

- Keep the device in a clean, dust-free environment.
- Ensure proper ventilation and do not block the air vents.
- Clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Periodically check cable connections to ensure they are secure.

TROUBLESHOOTING

If you encounter issues with your BS-GU2105 switch, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power cord is securely connected to both the switch and a working power outlet. Check if the power outlet is functional.
- **No Link/Activity LED:** Verify that the Ethernet cable is properly connected to both the switch port and the network device. Ensure the connected device is powered on and functioning correctly. Try a different cable or port.

- **Slow Network Speed:** Check the LINK/ACT LED color. Green indicates Gigabit speed, while amber indicates 10/100 Mbps. Ensure all connected devices and cables support Gigabit Ethernet for optimal performance.
- **Network Instability (if Loop Prevention is OFF):** If you experience network instability or broadcast storms, ensure the "LOOP PREVENTION" switch is set to ON.

If problems persist after attempting these steps, please contact technical support.

SPECIFICATIONS

| Feature | Description |
|------------------------|---|
| Brand | BUFFALO |
| Model | BS-GU2105 |
| Number of Ports | 5 x 10/100/1000 BaseT(X) RJ-45 |
| Switch Type | Unmanaged, Layer2 |
| Housing | Metal |
| Power Supply | Built-in |
| Operating Temperature | 0°C - 50°C (32°F - 122°F) |
| Dimensions (L x W x H) | 10.04 x 5.71 x 2.76 inches (25.5 x 14.5 x 7.0 cm) |
| Weight | 0.8 Kilograms (1.76 lbs) |
| Special Features | Loop Prevention, EEE (802.3az), Anti-theft Security Slot, Magnet for mounting, AC Cable Prevention Band |

WARRANTY INFORMATION

The BUFFALO BS-GU2105 switch comes with a 5-year limited warranty. This includes a standard 3-year warranty, which can be extended by an additional 2 years upon user registration on the official BUFFALO website. Please retain your proof of purchase for warranty claims and refer to the official BUFFALO warranty policy for full terms and conditions.

TECHNICAL SUPPORT

For technical assistance, troubleshooting, or further inquiries regarding your BUFFALO BS-GU2105 switch, please visit the official BUFFALO support website or contact their customer service department. Up-to-date contact information and resources can typically be found on the BUFFALO brand's official channels.

BUFFALO Store: Visit the BUFFALO Store on Amazon

